



Sheet 1 of 4

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| Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | ocket No.: | 37070/198653 | Application No. | 09/496,771 |
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Applicant:
Steve J. D. Bell, et al.

Filing Date:
February 3, 2000

Group Art Unit
1645

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Translation |
|------------------|--|-----------------|-------------|------------------|-------|----------|-------------|
| R2 | | 4,016,252 | 04/05/97 11 | Relyveld | — | — | |
| | | 4,500,512 | 02/19/85 | Barme | — | — | |
| | | 5,178,882 | 01/12/93 | Kossovsky et al. | — | — | |
| | | 5,219,577 | 06/15/93 | Kossovsky et al. | — | — | |
| | | 5,306,508 | 04/26/94 | Kossovsky et al. | — | — | |
| | | 5,334,394 | 08/02/94 | Kossovsky et al. | — | — | |
| | | 5,364,838 | 11/15/94 | Rubsamen | — | — | |
| | | 5,460,830 | 10/24/95 | Kossovsky et al. | — | — | |
| | | 5,460,831 | 10/24/95 | Kossovsky et al. | — | — | |
| | | 5,462,750 | 10/31/95 | Kossovsky et al. | — | — | |
| | | 5,462,751 | 10/31/95 | Kossovsky et al. | — | — | |
| | | 5,464,634 | 11/07/95 | Kossovsky et al. | — | — | |
| | | 5,506,203 | 04/09/96 | Backstrom et al. | — | — | |
| | | 5,549,973 | 08/27/96 | Majetich et al. | — | — | |
| | | 5,580,859 | 12/03/96 | Felgner et al. | — | — | |
| | | 5,595,762 | 1/21/97 | Derrieu et al. | — | — | |
| | | 5,620,896 | 04/15/97 | Herrmann et al. | — | — | |
| | | 5,629,021 | 05/13/97 | Wright | — | — | |
| | | 5,641,515 | 06/24/97 | Ramtoola | — | — | |
| | | 5,648,097 | 7/15/97 | Nuwayser | — | — | |
| | | 5,695,617 | 12/09/97 | Gravier et al. | — | — | |
| | | 5,747,001 | 05/05/98 | Wiedmann et al. | — | — | |
| | | 5,785,975 | 07/28/98 | Parikh | — | — | |
| | | 5,827,822 | 10/27/98 | Floc'h et al. | — | — | |
| | | 5,866,553 | 02/02/99 | Donnelly et al. | — | — | |
| R2 | | 5,891,420 | 04/06/99 | Cutie | — | — | |
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| K2 | | 5,902,789 | 05/11/99 | Stolz | — | — | |

NON-U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Country | Class | Subclass | Translation |
|------------------|--|-----------------|----------|---------|-------|----------|-------------|
| C2 | | WO 90/11092 | 10/04/90 | | — | — | |
| | | WO 93/17706 | 09/16/93 | | — | — | |
| | | WO 93/24640 | 12/09/93 | | — | — | |
| | | WO98/35562 | 08/20/98 | | — | — | |
| R2 | | WO00/15194 | 03/23/00 | | — | — | |
| R2 | | 1422973 | 01/28/00 | UK | — | — | |

Examiner:
John Fenn

Date Considered:
11/2/2000

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

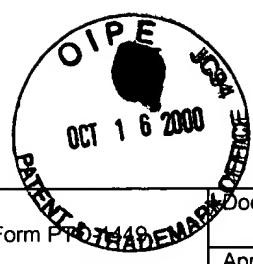


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| R2 | | Abstracts of Papers Presented at the 1992 meeting on Modern Approaches to New Vaccines, Including Prevention of AIDS, Cold Spring Harbor), <i>Vaccine</i> 11: 92 (1993). | |
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Robert Zemun 11/2/2006



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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| <p><i>R2</i></p> <p>Kitsis et al., "Hormonal modulation of a gene injected into rat heart <i>in vivo</i>," <i>Proc. Natl. Acad. Sci. (USA)</i> 88: 4138-4142 (1991).</p> <p>Lin et al., "Expression of Recombinant Genes in Myocardium In Vivo after Direct Injection of DNA," <i>Circulation</i> 82(6): 2217-2221 (1990).</p> <p>Lin and Askonas, "Biological properties of an influenza A virus-specific killer T cell clone," <i>J. Exp. Med.</i> 154(1): 225-234 (1981).</p> <p>Maniatis, et al., <i>Molecular Cloning</i>, Cold Spring Harbor Laboratory Press, New York, 1.0 - 19.0 (1989). *</p> <p>Mascola et al., "Surveillance of Listeriosis in Los Angeles County, 1985-1986," <i>Arch. Intern. Med.</i>, 149(7): 1569-1572 (1989).</p> <p>McMichael et al., "Cytotoxic T-Cell Immunity to Influenza," <i>New Engl. J. Med.</i>, 309(1): 13-17 (1983).</p> <p>McMichael et al., "Recognition of Influenza A virus Nucleoprotein by human cytotoxic T lymphocytes," <i>J. Gen. Virol.</i>, 67: 719-726 (1986).</p> <p>Miller, "Retroviral Vectors," <i>Curr. Top. Microbiol. Immunol.</i>, 158, 3-24 (1992).</p> <p>Montgomery, D. L. et al., 1993, <i>Cell Biol.</i>, 12, pp. 777-783. *</p> <p>Neuman, et al., ibid. 148, 2357 (1992). * incomplete</p> <p>Redfield et al., "Disseminated Vaccinia in a Military Recruit with Human Immunodeficiency Virus (HIV) Disease," <i>New Engl. J. Med.</i>, 316(11): 673-676 (1987).</p> <p>Robinson et al., "Protection against a lethal influenza virus challenge by immunization with a haemagglutinin-expressing plasmid DNA," <i>Vaccine</i> 11(9): 957-960 (1993).</p> <p>Rouse, et al. * incomplete</p> <p>Sato et al., "Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization," <i>Science</i> 273: 352-354 (1996).</p> <p>Schafer et al., "Induction of a cellular immune response to a foreign antigen by a recombinant <i>Listeria monocytogenes</i> vaccine," <i>J. Immunol.</i>, 149(1):53-59 (1992).</p> <p>Service, <i>Science</i> 277:5330 (1997). *</p> <p>Stover et al., "New use of BCG for recombinant vaccines," <i>Nature</i> 351: 456-460 (1991).</p> <p>Takahashi et al., "Induction of CD8 cytotoxic T cells by immunization with purified HIV-1 envelope protein in ISCOMs," <i>Nature</i>, 344: 873-875 (1990).</p> <p>Tang et al., "Genetic immunization is a simple method for eliciting an immune response," <i>Nature</i>, 356: 152-154 (1992).</p> <p>Taylor and Askonas, "Influenza nucleoprotein-specific cytotoxic T-cell clones are protective <i>in vivo</i>," <i>Immunol.</i>, 58(1): 417-420 (1986).</p> <p>Townsend, "Antigen recognition by class I-restricted T lymphocytes," <i>Annu. Rev. Immunol.</i>, 7: 601-624 (1989).</p> <p>Townsend et al., "The Epitopes of Influenza Nucleoprotein Recognized by Cytotoxic T Lymphocytes Can Be Defined with Short Synthetic Peptides," <i>Cell</i> 44: 959-968 (1986).</p> <p>Ulmer, J. B. et al., "Heterologous Protection Against Influenza by Injection of DNA Encoding a Viral Protein," <i>Science</i>, 259: 1745-1749 (1993).</p> <p>Wang et al., "Gene inoculation generates immune responses against human immunodeficiency virus type I," <i>P.N.A.S. USA</i> 90: 4156-4160 (May, 1993).</p> <p><i>R2</i> Wang, et al., "Enhanced type I immune response to a hepatitis B DNA vaccine by formulation with calcium- or aluminum phosphate," <i>Vaccine</i>, 18: 1227-1235 (2000).</p> | | | |



Sheet 4 of 4

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| K2 ↓ X K2 | Weiner et al., "Immunostimulatory oligodeoxynucleotides containing the CpG motif are effective as immune adjuvants in tumor antigen immunization," <i>PNAS (USA)</i> 94(19): 10833-10837 (1997). | | |
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| | Zhu et al., "Systemic Gene Expression After Intravenous DNA Delivery into Adult Mice," <i>Science</i> 261: 209-211 (1993). | | |
| Examiner: <i>Robert Linn</i> | | Date Considered: <i>11/2/2000</i> | |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | | | |